

Certificate of Analysis



Final Product: Bulk CBD Distillate Tincture

Flavor: Natural

Strength: 1500mg

Date of Manufacture: December 2020

Manufacturing Lot: BB2012B366

Packaging Lots:

PB2012F293

Test	Methodology		Specification	Test Results (Average)*	Pass/Fail
Visual	Color and Appearance	TM-004 (Visual)	Clear or yellow to orange/red clear, flowing, liquid free of particulates	Conforms	Pass
Organoleptic	Aroma/Odor	TM-004 (Organoleptic)	Prominent labeled aroma	Conforms	Pass
Cannabidiol Identification	ID by Retention Time	TM-003 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
	ID by UV	TM-003 (DAD UV Spectrum)	UV Spectrum of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
CBD Content	Assay (percent of label claim)(%)	TM-003 (HPLC-DAD)	90.0 - 110.0 %	95.3	Pass
	Assay(%w/w)	TM-003 (HPLC-DAD)	Report	4.931	NA
THC Content	THC(%w/w)	TM-003 (HPLC-DAD)	Report	0.015	NA
	THCA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	Total THC(%w/w)	TM-003 (HPLC-DAD)	≤0.3 %w/w	0.015	Pass
Related Cannabinoid Content	CBN(%w/w)	TM-003 (HPLC-DAD)	Report	0.019	NA
	cis-THC(%w/w)	TM-003 (HPLC-DAD)	Report	0.002	NA
	d8-THC(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	THCV(%w/w)	TM-003 (HPLC-DAD)	Report	0.020	NA
	THCVA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBC(%w/w)	TM-003 (HPLC-DAD)	Report	0.009	NA
	CBDA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBDVA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBDV(%w/w)	TM-003 (HPLC-DAD)	Report	0.296	NA
	CBE(%w/w)	TM-003 (HPLC-DAD)	Report	1.565	NA
	CBGA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBG(%w/w)	TM-003 (HPLC-DAD)	Report	1.055	NA
	CBL(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBT(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	Total (RC)(%w/w)	TM-003 (HPLC-DAD)	Report	2.982	NA
Total Cannabinoids	(CBD plus total RCs)(%w/w)	TM-003 (HPLC-DAD)	Report	7.913	NA

*Number of replicates: 3

Data Reviewed and Approved by: Tim Ghelli
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Specification: FX012
Mfg Lot: BB2012B366

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